IN THE CLAIMS

Claims 1-6 (cancelled).

7. (Currently Amended)   A method for evaluating images recorded with a fundus camera, comprising the steps of:

determining deviations from a stored comparison image and/or from a standard image created by evaluating a plurality of comparison images, and/or

carrying out a similarity analysis by a stored comparison image and/or by a standard image created by evaluating a plurality of comparison images; and

creating new images that are stored for purposes of comparison at a later time.

8. (Previously Presented)   The method according to claim 7, wherein the evaluation is carried out by averaging extracted features.

9. (Previously Presented)   The method according to claim 7, wherein deviations are determined and/or the similarity analysis is carried out on the basis of a gray-value analysis and/or an analysis of color histograms and/or a structure analysis.

10. (Previously Presented)   The method according to claim 7, wherein an extraction of vascular tree parameters is carried out.

11. (Currently Amended)   An arrangement for the evaluation of images recorded with a fundus camera, comprising:

a fundus camera for recording the ocular fundus;

an image storage for storing recorded fundus images; ~~and~~

means for evaluating the recorded fundus images further comprising means for gray-value analysis and/or means for preparing color histograms and/or means for structure analysis; <u>and</u>

<u>a comparison unit connected to the image storage,</u>

<u>wherein the comparison unit compares images recording in the image storage and creates new images.</u>

12. (Currently Amended)   The arrangement according to claim 11<u>, further comprising</u> ~~for carrying out the method of claim 7~~

<u>a means for determining deviations from a stored comparison image and/or from a standard image created by evaluating a plurality of comparison images, and/or</u>

<u>a means for carrying out a similarity analysis by a stored comparison image and/or by a standard image created by evaluating a plurality of comparison images.</u>

13. (Previously Presented)   An arrangement according to claim 11, wherein means are provided for determining deviations from a stored comparison image and/or from a standard image created by evaluating a plurality of comparison images, and/or means are provided for similarity analysis by a stored comparison image and/or a standard image created by evaluating a plurality of comparison images.